



# Avid FastServe | Ingest

Deliver the story first



Turn around better content faster with a powerful next-generation video server that offers higher channel counts in a compact new design. Avid FastServe™ | Ingest meets the baseband capture challenges of live news, sports, and entertainment productions. It offers maximum collaborative efficiency with MediaCentral® for scheduled ingest and low-latency “Edit While Capture” for fast-turnaround workflows. Its modular, future-proof architecture fits any budget, improves efficiency, and provides a smooth transition from HD to UHD, and from SDI workflows to video over IP.

## CAPTURE HD AND UHD MEDIA EASILY

Avid FastServe | Ingest is designed to help live news, sports, and entertainment productions overcome the challenges of baseband ingest. It can encode up to four UHD streams or up to eight HD streams simultaneously from in-studio cameras, satellite feeds, and other input sources. It offers hundreds of hours of internal storage, plus a redundant 10GbE interface that delivers real-time media transfer to Avid NEXIS® storage, all in a compact 3U chassis.

## TURN AROUND CONTENT FASTER

Avid FastServe | Ingest fully integrates with MediaCentral, delivering maximum collaborative efficiency. It enables dispersed creative teams to access and edit incoming media as it's being captured—even demanding UHD resolutions—from anywhere, using any device. Streamline workflows by automating ingest with MediaCentral | Capture. And because media can be written to both the internal storage and to Avid NEXIS at the same time, fresh material is instantly available to contributors across your entire organization, with a backup ready for peace of mind.

## EDIT MEDIA WHILE CAPTURING IT

No need to wait for material to finish being captured. FastServe | Ingest supports “Edit While Capture” workflows, so editors can get a jumpstart on fresh footage for faster turnaround. It can also now ingest eight channels of XDCAM material while simultaneously generating eight high-quality proxy streams, providing a smooth transition from high-res to proxy and vice-versa. And it offers dual ingest of high-res and proxy media directly to Avid NEXIS, with immediate Edit While Capture functionality available for journalists and craft editors.

## GAIN GREATER WORKFLOW EFFICIENCY

FastServe | Ingest can extract ancillary data and write it into Avid NEXIS, making the information available across your MediaCentral production environment as an additional data track (D-track) essence, along with the video and audio. This is ideal for extracting Closed Captioning, timecode, and other metadata to support a variety of workflow needs. Ancillary information is kept tied to the recorded feed, so it can be easily exported again as needed. It also now supports more languages, including Latin and Japanese, enabling you to set file names, keywords, and more in the local production language.

## BOOST YOUR ROI

Avid FastServe | Ingest can handle the complex and ever-changing media capture needs of modern broadcasters. It reduces production costs by offering higher density HD, 1080p, and UHD ingest, and support for IP, SDI, and mixed environments, providing a truly exceptional return on investment.

## KEY FEATURES

- Boost any live production workflow with a high-density ingest server that fully integrates with MediaCentral
- Get fast and accurate media acquisition with automated scheduling and control when used with MediaCentral | Capture
- Encode up to four UHD streams or up to eight HD streams simultaneously
- Capture hundreds of hours of footage to internal storage, plus real-time media transfer to Avid NEXIS storage through its redundant 10GbE interface
- Make media immediately available to loggers, journalists, and craft editors with low-latency “Edit While Capture” capabilities
- Easily transition from SDI to video over IP workflows, with interchangeable interfaces
- Mix HD-SDI with video over IP interfaces to support hybrid infrastructures
- Sync multiple channels over multiple servers to start and stop recording and transfers, streamlining multicam workflows
- Get peace of mind with RAID-protected disks and redundant power supplies and network connections
- Protect your capital investment with a server designed to support higher resolutions and bitrates, and higher channel counts

FOR MORE INFORMATION, VISIT  
[avid.com/fastserve](http://avid.com/fastserve)

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## SPECIFICATIONS

CPU	2 x Intel Xeon 8-Core 2.1 GHz
Operating system	CentOS Linux
Memory	64 GB RAM
Data interfaces	1 x Serial 4 x USB 3.0 (2 front, 2 back) 2 x 10Gb Ethernet (SFP) 2 x 1Gb Ethernet (RJ45) 1 x VGA maintenance (back) 1 XLR LTC input
Internal storage	Video server—16 x 2 TB SATA 3, RAID 60; System disk—2 x 240 GB SSD, RAID 1
Media capacity	XDCAM50 422: Over 360 hours DNxHD SQ: Over 200/160 hours DNxHR SQ 3G: Over 100/80 hours
Supported video codecs	HD: XDCAM HD 422, DNxHD SQ, DNxHD HQ-X 3G: DNxHD SQ, DNxHD HQ-X UHD: DNxHR HQ-X
Video inputs	HD-SDI/3G-SDI with clean and OSD loops
Video outputs	1 x HD-SDI/3G-SDI
Video outputs (monitoring)	1 x HD-SDI/3G-SDI, OSD On/Off
Available I/O configurations—HD	Fully Flexible 8 in / 0 out 7 in / 1 out 6 in / 2 out 5 in / 3 out 4 in / 4 out 3 in / 5 out 2 in / 6 out 1 in / 7 out 0 in / 8 out
Available I/O configurations—UHD	Fully Flexible 4 in / 0 out 3 in / 1 out 2 in / 2 out 1 in / 3 out
Audio	Embedded audio—PCM; up to 8 stereo audio channels per video input; 4 stereo for XDCAM
Video references	Genlock, Analog Black Burst / Tri level sync / 75Ω with loop through
Timecode input	Internal free run LTC—XLR, Embedded VITC / ATC (RP-188)
Timecode output	VITC / ATC
Dimensions (H x W x D)	3U Rack, 5.1 x 17.4 x 31.1 inches (130 x 443 x 790 mm)
Weight	83.7 lbs (38 kg) approximate
Power supply	Redundant power supply, 100–240V, 47–63 Hz, 2 x 1,500w (max)
Environmental conditions	Operating temperature: 41°–104°F (5°–40°C) Storage temperature: -40°–158°F (-40°–70°C); Humidity: 90% max

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